

**AMENDMENTS****In The Claims:**

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Previously Presented) A cleaning device for collecting toner on a surface of an image bearing body, comprising:

a rotary member having electrical conductivity and being rotatively driven while being in contact with the surface of the image bearing body;

a conductive member which makes contact with the image bearing body on an upstream side of the rotary member in a conveyance direction of the image bearing body; and

a single d.c. power supply to which one of the rotary member and the conductive member is connected, the other being grounded, and which generates a d.c. current that flows via the image bearing body between the rotary member and the conductive member, whereby a first electric field in such a direction as to exert a force for adsorbing the toner of a normal charging polarity to the rotary member is generated between the rotary member and the image bearing body while a second electric field in a direction reverse to the first electric field is generated between the conductive member and the image bearing body.

2. (Original) A cleaning device as claimed in claim 1, wherein the rotary member is connected to the d.c. power supply and the conductive member is grounded.

3. (Canceled)

4. (Original) A cleaning device as claimed in claim 1, wherein the d.c. power supply is a constant-current d.c. power supply.

5. (Original) A cleaning device as claimed in claim 1, wherein the direct current  $I_c$  ( $\mu\text{A}$ ) flowing between the rotary member and the conductive member via the image bearing body, an output voltage  $V_c$  (V) of the d.c. power supply, and a distance  $L1$  (mm) from a contact position of the rotary member with the image bearing body to a contact position of the conductive member with the image bearing body in the conveyance direction of the image bearing body satisfy the following relation:

$$\frac{V_c - 312}{6200} < L_1 < \alpha \cdot \log_e I_c + \beta ,$$

where  $\alpha$  and  $\beta$  are factors related to surface resistance of the image bearing body.

6. (Original) A cleaning device as claimed in claim 5, wherein the factor  $\alpha$  is between or equal to -10.2 and -3.01.

7. (Original) A cleaning device as claimed in claim 5, wherein the factor  $\beta$  is between or equal to 31.23 and 39.15.

8. (Original) A cleaning device as claimed in claim 1, further comprising a second conductive member which contacts with the image bearing body on an upstream side of the conductive member in the conveyance of the image bearing body and is grounded.

9. (Original) A cleaning device as claimed in claim 1, further comprising a third conductive member which contacts with the image bearing body on a downstream side of the rotary member in the conveyance direction of the image bearing body and is connected to the d.c. power supply.

10-18. (Canceled)